```
EEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEEEEEEEEEE       DDD      DDD            TTT
EEEEEEEEEEE       DDD      DDD            TTT
EEEEEEEEEEE       DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEE               DDD      DDD            TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD              TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD              TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD              TTT
```

FILEID**TICLRAUD

```
TTTTTTTTT  IIIIII    CCCCCCC   LL        RRRRRRR      AAAAAA    UU      UU   DDDDDDD
TTTTTTTTT  IIIIII    CCCCCCC   LL        RRRRRRR      AAAAAA    UU      UU   DDDDDDD
   TT        II    CC          LL        RR    RR   AA      AA  UU      UU   DD      DD
   TT        II    CC          LL        RR    RR   AA      AA  UU      UU   DD      DD
   TT        II    CC          LL        RR    RR   AA      AA  UU      UU   DD      DD
   TT        II    CC          LL        RRRRRRR    AA      AA  UU      UU   DD      DD
   TT        II    CC          LL        RRRRRRR    AA      AA  UU      UU   DD      DD
   TT        II    CC          LL        RR  RR     AAAAAAAAAA  UU      UU   DD      DD
   TT        II    CC          LL        RR    RR   AAAAAAAAAA  UU      UU   DD      DD
   TT        II    CC          LL        RR    RR   AA      AA  UU      UU   DD      DD
   TT        II    CC          LL        RR    RR   AA      AA  UU      UU   DD      DD
   TT      IIIIII    CCCCCCC   LLLLLLLLL  RR    RR   AA      AA  UUUUUUUUUU   DDDDDDD
   TT      IIIIII    CCCCCCC   LLLLLLLLL  RR    RR   AA      AA  UUUUUUUUUU   DDDDDDD


LL         IIIIII    SSSSSSSS
LL         IIIIII    SSSSSSSS
LL           II    SS
LL           II    SS
LL           II    SS
LL           II    SS
LL           II      SSSSSS
LL           II      SSSSSS
LL           II            SS
LL           II            SS
LL           II            SS
LL           II            SS
LLLLLLLLLL  IIIIII    SSSSSSSS
LLLLLLLLLL  IIIIII    SSSSSSSS
```

```
    1   0001   0 %TITLE 'EDT$TICLRAUD - flush journal file'
    2   0002   0 MODULE EDT$TICLRAUD (                         ! Flush journal file
    3   0003   0             IDENT = 'V04-000'                 ! File: TICLRAUD.BLI Edit: JBS1012
    4   0004   0             ) =
    5   0005   1 BEGIN
    6   0006   1
    7   0007   1 !****************************************************************
    8   0008   1 !*                                                              *
    9   0009   1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                     *
   10   0010   1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.      *
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   16   0016   1 !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
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   20   0020   1 !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
   21   0021   1 !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
   22   0022   1 !*  CORPORATION.                                                *
   23   0023   1 !*                                                              *
   24   0024   1 !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
   25   0025   1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.     *
   26   0026   1 !*                                                              *
   27   0027   1 !*                                                              *
   28   0028   1 !****************************************************************
   29   0029   1 !
   30   0030   1 !
   31   0031   1 !++
   32   0032   1 ! FACILITY:     EDT -- The DEC Standard Editor
   33   0033   1 !
   34   0034   1 ! ABSTRACT:
   35   0035   1 !
   36   0036   1 !       Flush journal file.
   37   0037   1 !
   38   0038   1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
   39   0039   1 !
   40   0040   1 ! AUTHOR: Bob Kushlis, CREATION DATE: June 9, 1979
   41   0041   1 !
   42   0042   1 ! MODIFIED BY:
   43   0043   1 !
   44   0044   1 ! 1-001 - Original.  DJS 18-FEB-1981.  This module was created by
   45   0045   1 !         extracting routine EDT$$TI_FLUSHJOUFI  from module TINPUT.
   46   0046   1 ! 1-002 - Regularize headers.  JBS 11-Mar-1981
   47   0047   1 ! 1-003 - Add parameter to routine and flag to record.  JBS 18-Jun-1981
   48   0048   1 ! 1-004 - Make record flag compatible with EDT V2.  JBS 07-Jul-1981
   49   0049   1 ! 1-005 - Fix a bug in control C processing.  JBS 17-Dec-1981
   50   0050   1 ! 1-006 - Continue to debug control C processing.  JBS 24-Dec-1981
   51   0051   1 ! 1-007 - Revise control C data names.  JBS 29-Dec-1981
   52   0052   1 ! 1-008 - Use two words for control C counters.  JBS 30-Dec-1981
   53   0053   1 ! 1-009 - Decrease stack usage.  JBS 27-Jan-1982
   54   0054   1 ! 1-010 - We must write 0-length journal records.  JBS 01-Apr-1982
   55   0055   1 ! 1-011 - We must not write a record unless it has been marked valid.  JBS 09-Apr-1982
   56   0056   1 ! 1-012 - Use symbols instead of magic numbers in control C journaling.  JBS 24-May-1982
   57   0057   1 !--
```

; 58   0058 1

```
 60       0059  1 %SBTTL 'Declarations'
 61       0060  1 !
 62       0061  1 ! TABLE OF CONTENTS:
 63       0062  1 !
 64       0063  1
 65       0064  1 REQUIRE 'EDTSRC:TRAROUNAM';
 66       0503  1
 67       0504  1 FORWARD ROUTINE
 68       0505  1     EDT$$TI_FLUSHJOUFI : NOVALUE;
 69       0506  1
 70       0507  1 !
 71       0508  1 ! INCLUDE FILES:
 72       0509  1 !
 73       0510  1
 74       0511  1 REQUIRE 'EDTSRC:EDTREQ';
 75       0646  1
 76       0647  1 !
 77       0648  1 ! MACROS:
 78       0649  1 !
 79       0650  1 !     NONE
 80       0651  1 !
 81       0652  1 ! EQUATED SYMBOLS:
 82       0653  1 !
 83       0654  1 !     NONE
 84       0655  1 !
 85       0656  1 ! OWN STORAGE:
 86       0657  1 !
 87       0658  1 !     NONE
 88       0659  1 !
 89       0660  1 ! EXTERNAL REFERENCES:
 90       0661  1 !
 91       0662  1 !     In the routine
```

```
 93     0663   1   %SBTTL 'EDT$$TI_FLUSHJOUFI - flush journal file'
 94     0664   1
 95     0665   1   GLOBAL ROUTINE EDT$$TI_FLUSHJOUFI (                    ! Flush journal file
 96     0666   1       RECORD_TYPE                                       ! text or control C
 97     0667   1       ) : NOVALUE =
 98     0668   1
 99     0669   1   !++
100     0670   1   ! FUNCTIONAL DESCRIPTION:
101     0671   1   !
102     0672   1   !     This routine writes either a text record or a control C record.
103     0673   1   !     A text record is taken from the journal buffer.  A control C record
104     0674   1   !     consists of the count of the number of times we tested for control C
105     0675   1   !     and didn't find it.  Upon writing either record the control c counter
106     0676   1   !     is cleared; thus it records the number of tests since the last journal
107     0677   1   !     record.
108     0678   1   !
109     0679   1   ! FORMAL PARAMETERS:
110     0680   1   !
111     0681   1   !     RECORD_TYPE     ASCII 'T' for a text record, ASCII 'C' for a control C record.
112     0682   1   !
113     0683   1   ! IMPLICIT INPUTS:
114     0684   1   !
115     0685   1   !     EDT$$T_TIN_OBUF
116     0686   1   !     EDT$$G_TIN_OBUFPOS
117     0687   1   !     EDT$$G_CC_CNT1_LO
118     0688   1   !     EDT$$C_CC_CNT1_HI
119     0689   1   !     EDT$$G_JOU_VALID
120     0690   1   !
121     0691   1   ! IMPLICIT OUTPUTS:
122     0692   1   !
123     0693   1   !     EDT$$G_TIN_OBUFPOS
124     0694   1   !     EDT$$G_JOU_VALID
125     0695   1   !
126     0696   1   ! ROUTINE VALUE:
127     0697   1   !
128     0698   1   !     NONE
129     0699   1   !
130     0700   1   ! SIDE EFFECTS:
131     0701   1   !
132     0702   1   !     NONE
133     0703   1   !
134     0704   1   !--
135     0705   1
136     0706   2       BEGIN
137     0707   2
138     0708   2       EXTERNAL ROUTINE
139     0709   2           EDT$$JOU_PUTREC;
140     0710   2
141     0711   2       EXTERNAL
142     0712   2           EDT$$T_TIN_OBUF : VECTOR [256, BYTE],    ! The journal output buffer
143     0713   2           EDT$$G_TIN_OBUFPOS,                      ! Position in journal output buffer
144     0714   2           EDT$$G_CC_CNT1_LO,                       ! Number of control C tests
145     0715   2           EDT$$G_CC_CNT1_HI,                       ! High half of the above
146     0716   2           EDT$$G_JOU_VALID;                        ! 1 = journal record is valid
147     0717   2
148     0718   2       LOCAL
149     0719   2           JOURNAL_RECORD : VECTOR [CC_REC_SIZE, BYTE];    ! For building the control C record
```

```
                                                    N 8
EDT$TICLRAUD    EDT$TICLRAUD - flush journal file          16-Sep-1984 01:54:40   VAX-11 Bliss-32 V4.0-742              Page  5
V04-000         EDT$$TI_FLUSHJOUFI - flush journal file     14-Sep-1984 12:24:49   DISK$VMSMASTER:[EDT.SRC]TICLRAUD.BLI;1   (3)
```

```
:   150   0720  2   !+
:   151   0721  2   ! Make sure the control C counter is reasonable.
:   152   0722  2   !-
:   153   0723  2
:   154   0724  2       ASSERT (.EDT$$G_CC_CNT1_LO LEQ CC_CTR_MAX);
:   155   0725  2       ASSERT (.EDT$$G_CC_CNT1_HI LEQ CC_CTR_MAX);
:   156   0726  2
:   157   0727  2       SELECTONE .RECORD_TYPE OF
:   158   0728  2           SET
:   159   0729  2
:   160   0730  2           [%C'T'] :                                     ! Output a text record
:   161   0731  3               BEGIN
:   162   0732  3               ASSERT (.EDT$$G_TIN_OBUFPOS LEQ 256);
:   163   0733  3               ASSERT (.EDT$$G_TIN_OBUFPOS GEQ 0);
:   164   0734  3
:   165   0735  3               IF (.EDT$$G_TIN_OBUFPOS GTR 0) THEN ASSERT (.EDT$$G_JOU_VALID);
:   166   0736  3
:   167   0737  3               IF .EDT$$G_JOU_VALID
:   168   0738  3               THEN
:   169   0739  4                   BEGIN
:   170   0740  4                   EDT$$JOU_PUTREC (EDT$$T_TIN_OBUF [0], .EDT$$G_TIN_OBUFPOS);
:   171   0741  4                   EDT$$G_TIN_OBUFPOS = 0;
:   172   0742  4                   EDT$$G_JOU_VALID = 0;
:   173   0743  4                   END;
:   174   0744  3
:   175   0745  2               END;
:   176   0746  2
:   177   0747  2           [%C'C'] :                                     ! Output a control C record
:   178   0748  3               BEGIN
:   179   0749  3               JOURNAL_RECORD [0] = JOU_REC_ESC;         ! Flag as non-text record
:   180   0750  3               JOURNAL_RECORD [1] = CC_REC_FLAG;         ! Control C record
:   181   0751  3               EDT$$CPY_MEM (2, EDT$$G_CC_CNT1_LO, JOURNAL_RECORD [2]);
:   182   0752  3               EDT$$CPY_MEM (2, EDT$$G_CC_CNT1_HI, JOURNAL_RECORD [4]);
:   183   0753  3               EDT$$JOU_PUTREC (JOURNAL_RECORD [0], CC_REC_SIZE);
:   184   0754  2               END;
:   185   0755  2
:   186   0756  2           [OTHERWISE] :
:   187   0757  2               ASSERT (0);
:   188   0758  2           TES;
:   189   0759  2
:   190   0760  1       END;                                         ! of routine EDT$$TI_FLUSHJOUFI


                                               .TITLE   EDT$TICLRAUD EDT$TICLRAUD - flush journal file
                                               .IDENT   \V04-000\

                                               .EXTRN   EDT$$JOU_PUTREC
                                               .EXTRN   EDT$$T_TIN_OBUF
                                               .EXTRN   EDT$$G_TIN_OBUFPOS
                                               .EXTRN   EDT$$G_CC_CNT1_LO
                                               .EXTRN   EDT$$G_CC_CNT1_HI
                                               .EXTRN   EDT$$G_JOU_VALID
                                               .EXTRN   EDT$$INTER_ERR

                                               .PSECT   _EDT$CODE,NOWRT,  SHR,  PIC,2

                          00FC 00000          .ENTRY   EDT$$TI_FLUSHJOUFI, Save R2,R3,R4,R5,R6,R7  ; 0665
```

```
                              57 00000000G  00  9E 00002                 MOVAB    EDT$$G_CC_CNT1_LO, R7
                              56 00000000G  00  9E 00009                 MOVAB    EDT$$JOU_PUTREC, R6
                              55 00000000G  00  9E 00010                 MOVAB    EDT$$G_CC_CNT1_HI, R5
                              54 00000000G  00  9E 00017                 MOVAB    EDT$$G_JOU_VALID, R4
                              53 00000000G  00  9E 0001E                 MOVAB    EDT$$G_TIN_OBUFPOS, R3
                              52 00000000G  00  9E 00025                 MOVAB    EDT$$INTER_ERR, R2
                                            08  C2 0002C                 SUBL2    #8, SP
                00007530  8F              67  D1 0002F                   CMPL     EDT$$G_CC_CNT1_LO, #30000           0724
                                          03  15 00036                   BLEQ     1$
                              62            00  FB 00038                 CALLS    #0, EDT$$INTER_ERR
                00007530  8F              65  D1 0003B 1$:                CMPL     EDT$$G_CC_CNT1_HI, #30000          0725
                                          03  15 00042                   BLEQ     2$
                              62            00  FB 00044                 CALLS    #0, EDT$$INTER_ERR
                              50      04   AC  DO 00047 2$:              MOVL     RECORD_TYPE, R0                    0727
                00000054  8F              50  D1 0004B                   CMPL     R0, #84                            0730
                                          30  12 00052                   BNEQ     7$
                00000100  8F              63  D1 00054                   CMPL     EDT$$G_TIN_OBUFPOS, #256           0732
                                          03  15 0005B                   BLEQ     3$
                              62            00  FB 0005D                 CALLS    #0, EDT$$INTER_ERR
                                          63  D5 00060 3$:               TSTL     EDT$$G_TIN_OBUFPOS                 0733
                                          03  18 00062                   BGEQ     4$
                              62            00  FB 00064                 CALLS    #0, EDT$$INTER_ERR
                                          63  D5 00067 4$:               TSTL     EDT$$G_TIN_OBUFPOS                 0735
                                          06  15 00069                   BLEQ     5$
                              06            64  E8 0006B                 BLBS     EDT$$G_JOU_VALID, 6$
                              62            00  FB 0006E                 CALLS    #0, EDT$$INTER_ERR
                              32            64  E9 00071 5$:             BLBC     EDT$$G_JOU_VALID, 9$               0737
                                          63  DD 00074 6$:               PUSHL    EDT$$G_TIN_OBUFPOS                 0740
                              00000000G   00  9F 00076                   PUSHAB   EDT$$T_TIN_OBUF
                              66            02  FB 0007C                 CALLS    #2, EDT$$JOU_PUTREC
                                          63  D4 0007F                   CLRL     EDT$$G_TIN_OBUFPOS                 0741
                                          64  D4 00081                   CLRL     EDT$$G_JOU_VALID                  0742
                                          04  00083                      RET                                        0727
                00000043  8F              50  D1 00084 7$:               CMPL     R0, #67                            0747
                                          16  12 0008B                   BNEQ     8$
                              6E      01FF 8F  B0 0008D                  MOVW     #511, JOURNAL_RECORD               0749
                              02  AE      67  B0 00092                   MOVW     EDT$$G_CC_CNT1_LO, JOURNAL_RECORD+2 0751
                              04  AE      65  B0 00096                   MOVW     EDT$$G_CC_CNT1_HI, JOURNAL_RECORD+4 0752
                                          06  DD 0009A                   PUSHL    #6                                 0753
                                      04  AE  9F 0009C                   PUSHAB   JOURNAL_RECORD
                              66            02  FB 0009F                 CALLS    #2, EDT$$JOU_PUTREC
                                          04  000A2                      RET                                        0727
                              62            00  FB 000A3 8$:             CALLS    #0, EDT$$INTER_ERR                 0757
                                          04  000A6 9$:                  RET                                        0760
```

```
; Routine Size:  167 bytes,    Routine Base:  _EDT$CODE + 0000

;   191          0761  1
;   192          0762  1 !<BLF/PAGE>
```

EDTSTICLRAUD   EDTSTICLRAUD - flush journal file   C 9
V04-000   EDTSSTI_FLUSHJOUFI - flush journal file   16-Sep-1984 01:54:40   VAX-11 Bliss-32 V4.0-742   Page 7
                                                                    14-Sep-1984 12:24:49   DISKSVMSMASTER:[EDT.SRC]TICLRAUD.BLI;1 (4)

```
;  194        0763 1 END
;  195        0764 1                                      ! of module EDTSTICLRAUD
;  196        0765 0 ELUDOM
```

```
;                                 PSECT SUMMARY

;         Name                      Bytes                       Attributes

;     _EDTSCODE                      167   NOVEC,NOWRT,  RD ,  EXE,  SHR,  LCL,  REL,  CON,  PIC,ALIGN(2)
```

```
;                            Library Statistics

;                                      -------- Symbols --------    Pages       Processing
;         File                         Total    Loaded   Percent    Mapped      Time

;     _$255$DUA28:[EDT.SRC]EDT.L32;1     377       5         1        40         00:00.2
;     _$255$DUA28:[EDT.SRC]PSECTS.L32;1    2       1        50         7         00:00.1
```

```
;                            COMMAND QUALIFIERS

;        BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:TICLRAUD/OBJ=OBJ$:TICLRAUD MSRC$:TICLRAUD.BLI/UPDATE=(ENH$:TICL
;        RAUD)

; Size:         167 code + 0 data bytes
; Run Time:        00:13.3
; Elapsed Time:    00:16.2
; Lines/CPU Min:      3458
; Lexemes/CPU-Min: 11751
; Memory Used:  86 pages
; Compilation Complete
```

SCRUPDATM
LIS

STARTEDT
LIS

TISAVE
LIS

SETCOMMAN
LIS

TIAUTO
LIS

TIDELETE
LIS

TILINE
LIS

TRACEMAC
LIS

UFBUFFER
LIS

SCRZAPSIN
LIS

UEXACASE
LIS

SCRUPDATN
LIS

TITYPAHD
LIS

TSTKEYDEF
LIS

TICLRAUD
LIS

SUPPORTS
LIS

TICHAR
LIS

TIECHO
LIS

TRAROUNAM
LIS

UFSTRING
LIS

TRANSLATE
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SYSVAX
LIS

SCRWID
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TRACELIT
LIS

UCVTCASE
LIS